|  | of Claims |  |
|--|-----------|--|
|  |           |  |

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 10/662,609      | PAI ET AL.   |  |
| Examiner        | Art Unit     |  |
| Thao X. Le      | 2814         |  |

| 1 | Rejected | _ | (T |
|---|----------|---|----|
| = | Allowed  | ÷ |    |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|              |                       |          | Щ.   |          | _            |  | •            |              |  |          |
|--------------|-----------------------|----------|--|----------|--------------|--|--------------|--------------|--|----------|
| Cla          | im                    |          |  |          |              | Date   | =            |              |  |          |
| Final        | Original              | 12/7/04  | 4/15/05  | 9/6/05   | 1/3/05       |  |              |              |  |          |
|              | 1                     | N        | N  | 7        | 7            |  |              |              |  |          |
|              |                       | N        | N  | 7        | 7            |  |              |              |  | П        |
|              | 3                     | N        | N  | 1        | 7            |  |              |              |  | П        |
|              | 4                     | N        | N  | 7        | 7            |  |              |              |  | П        |
|              | 5                     | N        | N  | 7        | 7            |  |              |              |  |          |
|              | 6                     | N        | N  | 1        | 7            |  |              |              |  |          |
|              | 4<br>5<br>6<br>7<br>8 | Ν        | N  | 1        | 1            |  |              |              |  |          |
|              | 8                     | N        | N  | 1        | 7            |  |              |              |  |          |
|              | 9                     | N        | Z  | 1        | 1            |  |              |              |  |          |
|              | 10<br>11              | N        | N  | 1        | 1            |  |              |              |  |          |
|              | 11                    | N        | N  | 1        | 1            | L  |              |              |  | Ш        |
|              | 12                    | N        | N  | /        | /            |  |              |              |  | Ш        |
|              | 13<br>14<br>15<br>16  | N        | N  | /        | 1            |  |              |              |  | Ш        |
|              | 14                    | N        | N  | 1        | 1            |  |              |              |  |          |
|              | 15                    | N        | N  | 1        | 1            |  |              |              |  | Ш        |
|              | 16                    | N        | N  | /        | /            |  |              |              |  | Ш        |
|              | 17                    | N        | N  | 1        | /            |  |              |              |  | Ш        |
| L            | 18<br>19              | N        | N  | /        | /            |  |              |              |  |          |
|              | 19                    | N        | N  | 1        | 1            |  |              |              |  | Щ        |
|              | 20                    | N        | N  | 1        | 1            |  |              |              |  | Щ        |
| L            | 21<br>22              | N        | N  | 1        | 1            |  |              |              |  | Ш        |
|              | 22                    | N        | N  | 1        | 1            | L  |              |              |  | ш        |
|              | 23<br>24<br>25        | N        | N  | /        | 1            |  |              |              |  | Ш        |
|              | 24                    | V        | V  | ٧        | V            |  |              |              |  | Ш        |
|              | 25                    | ٧        | ٧  | ٧        | ٧            |  |              |              |  |          |
|              | 26<br>27              | v        | V  | v        | V            | _  |              |              |  | Ш        |
|              | 27                    | <u> </u> | V  | V        | <u> </u>     | <u> </u>   | _            |              |  |          |
| <u> </u>     | 28                    | <u> </u> | V  | <u> </u> | <u> </u>     | <u> </u>   | $\vdash$     |              | _  | -        |
|              | 29                    | v        | ٧  | V        | V            |  | $\vdash$     |              |  |          |
|              | 30                    | ٧        | V  | V        | <u> </u>     | ļ  | <u> </u>     |              |  | Н        |
|              | 31                    | ٧        | ٧  | ٧        | ٧            |  |              |              | _  | Н        |
|              | 32<br>33              | ٧        | ٧  | ٧        | ٧            |  |              |              | _  |          |
|              | 33                    | V        | ٧  | V        | ٧            | -  | _            |              |  | $\dashv$ |
|              | 34<br>35              | ├        | ├  | ├        | <u> </u>     | $\vdash$   | _            | -            | -  | Н        |
|              | 36                    | ⊢        | ⊢  | ├        | -            | $\vdash$   | $\vdash$     |              | -  | Н        |
|              | 37                    |          | ├  | $\vdash$ | ┝            | -  | _            | _            | $\vdash$   | Н        |
| <u> </u>     | 38                    | ├        | ├-   | -        | ├            | ├  | $\vdash$     | $\vdash$     | $\vdash$   | Н        |
|              | 39                    | -        | ├  | $\vdash$ | $\vdash$     | $\vdash$   | -            | -            | ├─   | $\vdash$ |
|              | 4.0                   |          |  | ⊢        |              | $\vdash$   | $\vdash$     | -            | -  | H        |
|              | 41                    | -        | -  | ├        | ┢            | -  | -            |              | -  | Н        |
|              | 42                    |          |  | $\vdash$ |              | $\vdash$   | $\vdash$     |              | $\vdash$   | $\vdash$ |
| $\vdash$     | 43                    | $\vdash$ | ├  | $\vdash$ | $\vdash$     | <del> </del>                                     | $\vdash$     | <del> </del> | $\vdash$   | $\vdash$ |
| $\vdash$     | 44                    | -        | $\vdash$   | $\vdash$ | -            | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   | H        |
| <del> </del> | 45                    | $\vdash$ | $\vdash$   | -        |              | $\vdash$   | $\vdash$     | -            | $\vdash$   | $\vdash$ |
| $\vdash$     | 46                    | -        | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     | ┈            | $\vdash$   | Н        |
| <del> </del> | 47                    | $\vdash$ | $\vdash$   | ├        | <del> </del> | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   | Н        |
| $\vdash$     | 48                    | $\vdash$ | -  | $\vdash$ | $\vdash$     | ╁  |              | -            | $\vdash$   | Н        |
| <b></b>      | 49                    | $\vdash$ | $\vdash$   | -        | $\vdash$     | <del>                                     </del> | <u> </u>     | <del> </del> | <del>                                     </del> | Н        |
|              | 50                    | -        | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$   | <del> </del> | -            | <del> </del>                                     | Н        |

| The color of the | :la | im |          |          |            |          | Date     | =            |  |          |          | ] | Cla      | im  |          |          |   |   | Date     | -        |          |          |          |
|--|-----|----|----------|----------|------------|----------|----------|--------------|--|----------|----------|---|----------|-----|----------|----------|---|---|----------|----------|----------|----------|----------|
| 2   N N / / /  |     |    | 12/7/04  | 4/15/05  | 9/6/05     |          |          |              |  |          |          |   |          |     |          |          |   |   |          |          |          |          |          |
| 2   N N / / /  |     | 1  | N        | N        | 1          | 7        |          |              |  |          |          | 1 |          | 51  |          |          |   |   |          |          |          |          |          |
| 3  |     |    | N        |          | 7          | 7        |          |              |  |          | T        |   |          | 52  |          |          |   |   |          |          |          |          |          |
| 4   N   N   /  |     | 3  |          |          | 1          | 1        |          |              |  |          |          | 1 |          | 53  |          |          |   |   |          |          |          |          |          |
| 5  |     |    | N        |          | 7          | 1        |          |              |  |          |          | 1 |          | 54  |          |          |   |   |          |          |          |          |          |
| 6  |     | 5  | N        | Z        | 7          | 7        |          |              |  | Г        |          | 1 |          | 55  |          |          | - |   |          |          |          |          |          |
| 7 N N N / I   57     8 N N I / I   58     9 N N I / I   59     10 N N I / I   60     111 N N I / I   62     13 N N I / I   62     13 N N I / I   64     15 N N I / I   65     16 N N I / I   66     17 N N I / I   68     19 N N I / I   68     19 N N I / I   68     20 N N I / I   70     21 N N I / I   71     22 N N I / I   72     23 N N I / I   71     24 V V V V   75     26 V V V V V   75     26 V V V V V   78     29 V V V V   80     31 V V V V   83     32 V V V V   83     33 Y V V V   88     34   84     35   86     37   87     38   89     40   90     41   91     42   93     43   94     44   94     45   96  |     | 6  | N        |          | 1          | 7        |          |              |  |          |          | 1 |          | 56  |          |          |   |   |          |          |          |          |          |
| 9  |     | 7  | N        | z        | 1          | 7        |          |              |  |          |          |   |          |     |          |          |   |   |          |          |          |          |          |
| 10 N N / / /   |     |    | z        | N        | 1          | 1        |          |              |  |          |          |   |          | 58  |          |          |   |   |          |          |          |          |          |
| 11 N N / / /   |     |    | Z        | Z        | 1          | 1        |          |              |  |          |          |   |          | 59  |          |          |   |   |          |          |          |          |          |
| 12 N N / / /   |     |    |          |          | 1          | 1        |          |              |  |          |          |   |          |     |          |          |   |   |          |          |          |          |          |
| 13 N N / / /   |     | 11 |          |          |            | 1        | L        |              |  |          |          | ļ |          |     | Щ        |          |   |   |          |          |          |          |          |
| 14 N N / / /   |     |    | _        |          |            | 1        | L_       |              |  | L        |          | ļ |          |     | Ш        |          |   |   | _        |          |          |          |          |
| 15 N N / / /   |     | 13 |          |          | _          |          | _        | _            | _  |          | L        |   |          | 63  | Ш        |          |   |   |          |          |          |          |          |
| 16   |     |    |          |          | _          |          |          | _            |  | _        |          | l |          |     | Ш        |          |   |   |          |          |          | _        | _        |
| 17 N N / / / 68  | _   |    |          |          | _          |          |          | _            |  | <u> </u> | _        | l |          | 65  | Ш        |          |   |   |          | Щ        |          |          | _        |
| 18   N   N   /   /   68   69   70   70   71   71   72   71   72   73   73   73   73   73   73   73   74   73   74   74   75   75   76   77   77   77   78   77   77   78   79   78   79<  | _   |    | _        | _        | -          | -        | <u> </u> | L.           |  | _        | _        |   |          |     |          |          |   |   |          | Ш        | _        | _        |          |
| 19 N N / / /   | _   |    | _        |          | _          | _        | _        | _            | <u> </u>   | _        |          | ļ |          |     |          |          |   |   |          | _        |          | _        |          |
| 20   | _   | 18 |          |          | -          | _        | L        | _            |  |          | <u> </u> |   |          | 68  |          |          |   |   |          |          | _        | _        |          |
| 21   N   N   /   /   71   72   73   73   74   74   75   75   75   76   77   76   77   77   77   78   77   78   79   78   79<  | _   |    |          |          | _          |          | _        | _            | <u> </u>   | <u> </u> | ⊢        |   |          |     | Н        |          |   |   |          | Щ        |          | _        | _        |
| 22   N   N   / /   | _   |    |          |          |            | _        | -        | -            | $\vdash$   | $\vdash$ | $\vdash$ |   |          |     | H        | _        |   | _ | _        |          | -        |          |          |
| 23   | -   | 22 |          |          | _          | _        | -        | <u> </u>     | _  | ⊢        | $\vdash$ |   |          |     | Н        | $\vdash$ | _ |   |          |          | _        | _        | _        |
| 24   v   | -   | 22 | _        |          | _          |          | -        | $\vdash$     | -  | ⊢        | ⊢        | ł |          |     | Н        | _        |   |   |          | $\vdash$ | _        |          |          |
| 25   | -   |    | -        | _        | _          | _        |          | $\vdash$     |  | $\vdash$ | $\vdash$ | 1 |          |     |          |          | _ |   |          | $\vdash$ |          | -        |          |
| 26   v   | -   | 25 |          | _        | _          |          |          | $\vdash$     | <del>                                     </del> |          | $\vdash$ | 1 |          |     | H        | -        |   |   |          |          |          | -        | _        |
| 27   v   |     |    |          | -        |            | -        | $\vdash$ | H            |  |          |          | 1 |          |     | Н        |          |   |   | -        |          |          |          | _        |
| 28   v   |     | 27 | _        |          | _          |          | Г        |              |  |          |          | 1 |          | 77  | П        |          |   |   |          |          |          | -        |          |
| 29   v   |     |    | -        | v        | v          | ٧        | Г        |              |  |          |          | 1 |          | 78  |          |          |   |   |          |          |          |          |          |
| 30    v   v   v   v  | ╗   |    | v        | v        | ٧          | ٧        |          | Г            |  |          |          | 1 |          | 79  |          |          |   |   |          |          |          |          |          |
| 31   v   |     |    | v        | v        | ٧          | ٧        |          |              |  |          |          |   |          | 80  |          |          |   |   |          |          |          |          |          |
| 33   v   |     |    | ٧        | ٧        | >          | ٧        |          |              |  |          |          |   |          |     |          |          |   |   |          |          |          |          |          |
| 34   84     35   85     36   86     37   88     38   87     39   88     40   90     41   91     42   92     43   93     44   94     45   96     46   96     47   97     48   99     49   99  |     | 32 | ٧        | ٧        | ٧          | ٧        |          |              |  |          |          |   |          | 82  |          |          |   |   |          |          |          |          |          |
| 35   85     36   86     37   88     38   88     39   88     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99  |     |    | v        | v        | v          | ٧        |          |              |  | L        |          |   |          |     |          |          |   |   |          |          |          |          |          |
| 36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99  |     | 34 | <u> </u> | <u> </u> | <u> </u>   |          |          | _            | L_   |          | _        |   |          |     | Ш        | Ш        |   |   |          |          |          |          |          |
| 37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99  |     | 35 |          |          |            |          | <u> </u> | <u> </u>     | L  | <u> </u> | _        |   |          | 85  |          |          |   |   |          |          |          |          |          |
| 38   88     39   90     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99  | _   |    | _        | <u> </u> | lacksquare | _        | _        | <u> </u>     | <u> </u>   | _        | <u> </u> |   |          |     |          |          | _ |   | _        |          |          |          |          |
| 39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99  | _   |    |          |          | -          |          | <u> </u> | <u> </u>     | <u> </u>   | _        | <u> </u> | - | _        | 87  | $\vdash$ |          |   |   |          | _        | -        | _        |          |
| 40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99  | _   | 38 | ┝        | <u> </u> | $\vdash$   |          | ⊢        | -            | -  | ├        | ⊢        | ł |          | 88  | Н        | _        | - | _ |          | _        | -        | -        | _        |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99  | -   |    | _        |          | -          |          | ⊢        | ⊢            | -  |          | ┢        | ł | -        |     | H        |          | - |   | -        | $\vdash$ |          | $\vdash$ | -        |
| 42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99  | -   | 41 | -        | -        | -          |          | -        |              |  | ├─       | ⊢        | 1 |          | 91  | $\vdash$ |          |   | _ |          |          | $\vdash$ | ┝        | -        |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99  |     |    |          |          | -          |          | ╁        | ┢            |  | $\vdash$ | $\vdash$ | 1 |          | 92  |          |          |   |   | $\vdash$ |          | ├─       | $\vdash$ | $\vdash$ |
| 44 94   45 95   46 96   47 97   48 98   49 99  |     |    | $\vdash$ |          | $\vdash$   | $\vdash$ | ┢        | <del> </del> | ļ  | H        | H        | 1 |          |     | <u> </u> | Н        |   |   | $\vdash$ | $\vdash$ | $\vdash$ | Ι        | $\vdash$ |
| 45 95   46 96   47 97   48 98   49 99  | _   |    | <u> </u> |          | <u> </u>   |          |          | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ | 1 |          |     |          | $\vdash$ |   | Т | $\Box$   | $\Box$   | T        | Т        | Т        |
| 46 96   47 97   48 98   49 99  | _   |    | T        |          |            | _        | $\vdash$ | Г            | ऻ  |          |          | 1 | <b></b>  |     |          | <u> </u> |   |   |          |          | Г        |          | Г        |
| 47   |     |    |          | Г        |            |          |          | Г            | T  |          |          | 1 | <u> </u> |     |          | T        |   |   |          |          |          |          |          |
| 48 98 99 99 99 99 99 99 99 99 99 99 99 99  |     |    | Γ        |          |            |          |          |              |  |          |          | ] |          |     |          |          |   |   |          |          |          |          |          |
| 49 99 99   |     |    |          |          |            |          |          |              |  | L        | L        | ] |          | 98  |          |          |   |   |          |          |          |          |          |
| 50   |     |    |          |          |            |          |          |              |  |          |          | ] |          | 99  |          |          |   |   |          |          |          |          |          |
|  | _   | 50 |          |          |            |          |          | L            | <u> </u>   |          | L        | J | L        | 100 | L_       | <u></u>  |   |   |          |          | <u>L</u> | <u> </u> | <u> </u> |

|       |  |          |          |          |              |          |          |          |          | _               |  |
|-------|--|----------|----------|----------|--------------|----------|----------|----------|----------|-----------------|--|
| Cli   | aim  | Date     |          |          |              |          |          |          |          |                 |  |
| Final | Original   |          |          |          |              |          |          |          |          |                 |  |
|       | 101<br>102   | _        |          |          |              |          |          |          | _        |                 |  |
|       | 103  |          |          |          |              | $\vdash$ | -        |          |          | $\dashv$        |  |
|       | 104  |          |          |          |              |          |          |          |          |                 |  |
|       | 103<br>104<br>105<br>106                             |          |          |          |              |          |          |          |          |                 |  |
|       | 106  |          |          |          |              | _        |          |          | _        | $\dashv$        |  |
|       | 108  |          |          |          |              |          |          | -        |          | -               |  |
|       | 107<br>108<br>109                                    |          |          |          |              |          |          |          |          |                 |  |
|       | 1110   |          |          |          |              |          |          |          |          | Щ               |  |
|       | 111  |          | _        |          |              | -        | _        |          | _        | $\dashv$        |  |
|       | 111<br>112<br>113                                    |          |          |          | -            | H        | -        |          |          | $\dashv$        |  |
|       | 114<br>115   |          |          |          |              |          |          |          |          |                 |  |
|       | 115  |          |          |          |              | L        | L        |          |          |                 |  |
|       | 116<br>117   |          | _        |          | $\vdash$     | <u> </u> | $\vdash$ | _        | $\vdash$ | $\dashv$        |  |
|       | 118  |          |          | _        | -            |          | $\vdash$ |          |          | $\vdash$        |  |
|       | 119<br>120<br>121                                    |          |          |          |              |          |          |          |          |                 |  |
|       | 120  |          |          |          | L            |          | <u> </u> | _        |          |                 |  |
|       | 121  | _        | _        |          | -            |          |          |          |          |                 |  |
|       | 123  |          | _        |          | Н            |          |          |          |          | $\neg$          |  |
|       | 124  |          |          |          |              |          |          |          |          |                 |  |
|       | 125  |          |          |          | _            | _        | -        |          |          | Н               |  |
|       | 127  |          |          |          | H            | $\vdash$ | -        |          |          | $\dashv$        |  |
|       | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 |          |          |          |              |          |          |          |          |                 |  |
|       | 129  |          |          |          |              |          | <u> </u> |          |          | Щ               |  |
|       | 130  |          |          |          |              |          | _        | _        |          | -               |  |
|       | 130<br>131<br>132                                    |          |          |          |              |          |          |          |          | $\neg$          |  |
|       | 133<br>134   |          |          |          |              |          |          |          |          |                 |  |
|       | 134  |          |          |          | _            | _        | L        |          | _        |                 |  |
|       | 135<br>136   | $\vdash$ |          |          | <del> </del> |          | $\vdash$ | _        |          |                 |  |
|       | 137  |          |          |          |              |          |          |          |          |                 |  |
|       | 138<br>139   |          |          | _        | <u> </u>     |          | _        |          |          |                 |  |
|       | 139  |          |          | H        | -            | -        | ┝        |          | _        |                 |  |
|       | 141  |          | Н        | -        |              | $\vdash$ | $\vdash$ |          |          | H               |  |
|       | 142  |          |          |          |              |          |          |          |          |                 |  |
|       | 143<br>144   | -        |          | <u> </u> | $\vdash$     | -        | <u> </u> |          | <u> </u> | $\vdash \vdash$ |  |
|       | 144  | ├─       | $\vdash$ | $\vdash$ | ┢            | ┢        | $\vdash$ | $\vdash$ | $\vdash$ | H               |  |
|       | 146  |          |          |          |              |          |          |          |          |                 |  |
|       | 147  |          | 匚        |          |              |          |          |          |          |                 |  |
|       | 148<br>149   | <u> </u> | $\vdash$ | $\vdash$ | -            | L        | _        | _        | <u> </u> | dash            |  |
|       | 150  | -        | -        | $\vdash$ | $\vdash$     | -        | -        | -        | -        | dash            |  |
|       |  | L        |          |          | Щ.           | Ц        | ٠        | L        | Ь.       | ш               |  |